

FIG. 1

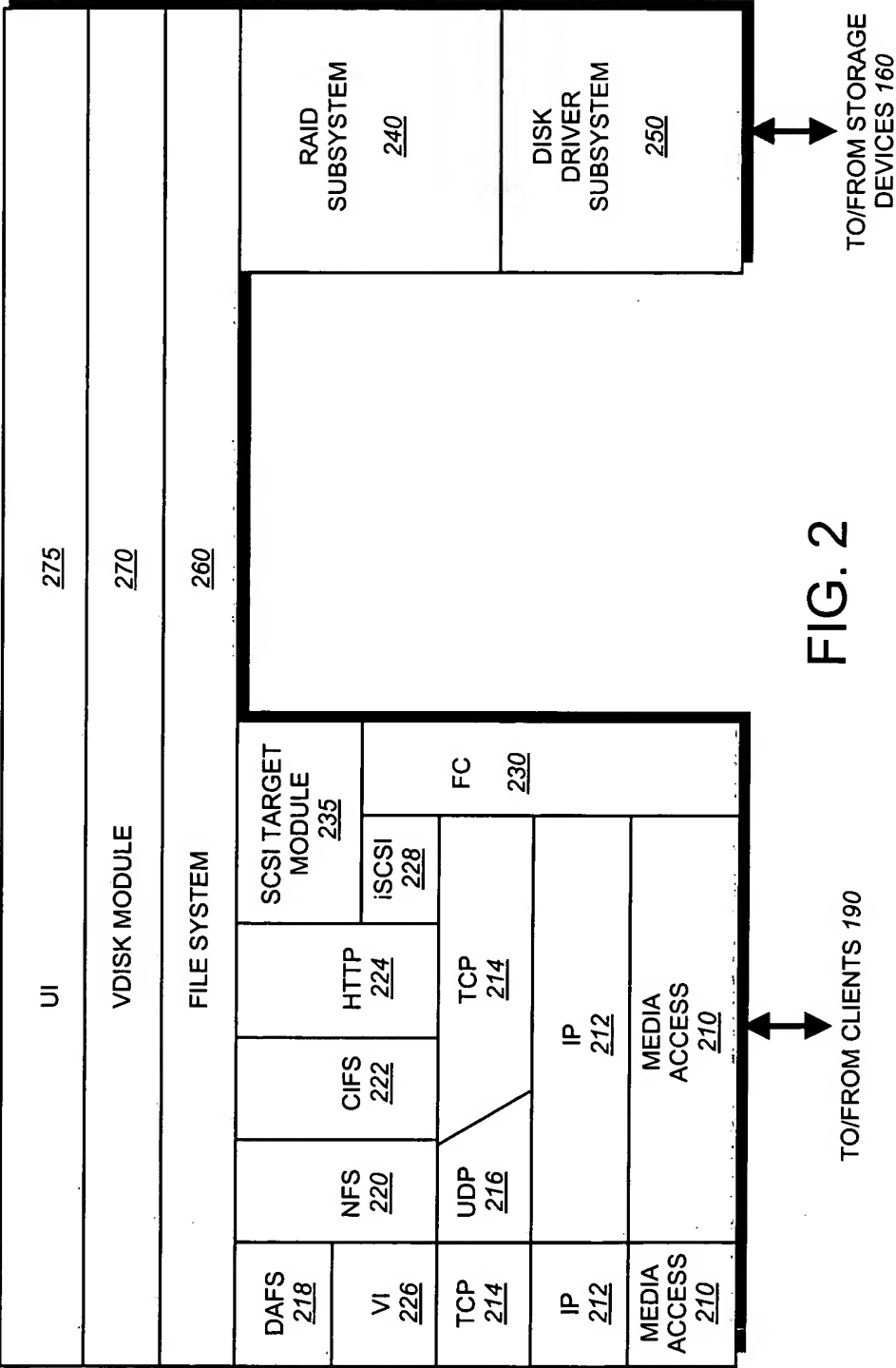


FIG. 2

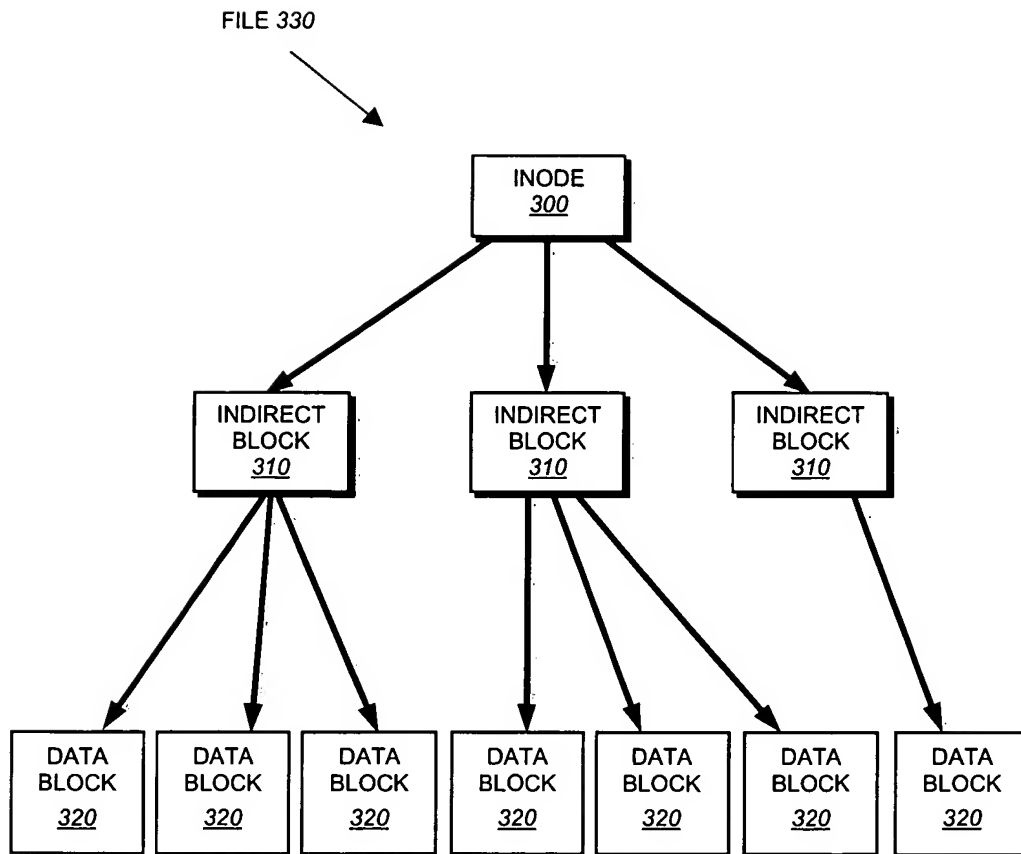


FIG. 3

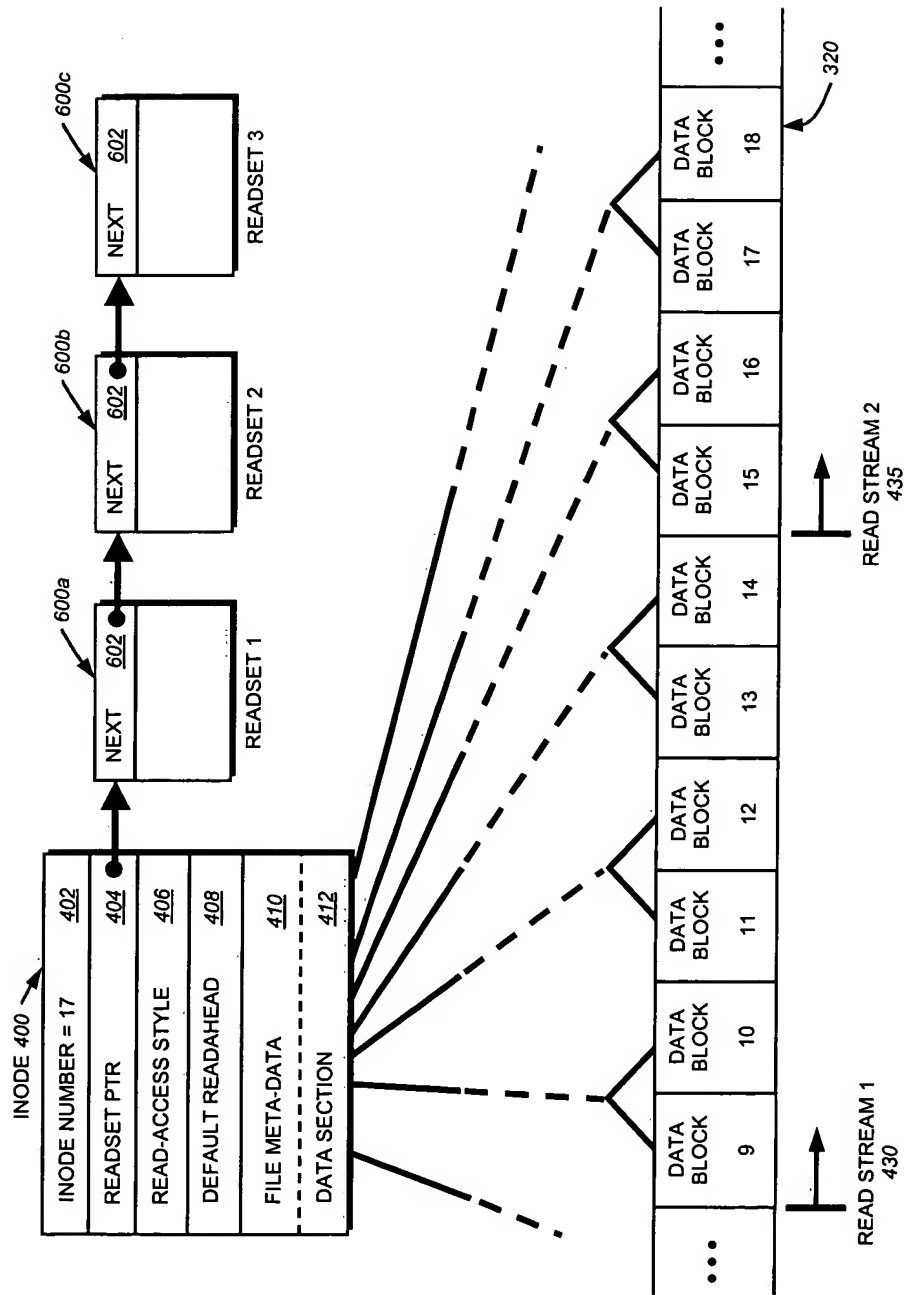


FIG. 4


500

FILE SIZE	NUMBER OF READSETS
< 64 kB	0
64 kB–512 kB	1
512 kB–50 MB	2
50 MB–1 GB	5
1 GB–10 GB	10
> 10 GB	15

510

520

FIG. 5

READ SET 600 

NEXT POINTER	<u>602</u>
LEVEL	<u>604</u>
COUNT	<u>606</u>
LAST READ OFFSET	<u>608</u>
LAST READ SIZE	<u>610</u>
NEXT READAHEAD	<u>612</u>
READAHEAD SIZE	<u>614</u>
FLAGS	<u>616</u>

FIG. 6

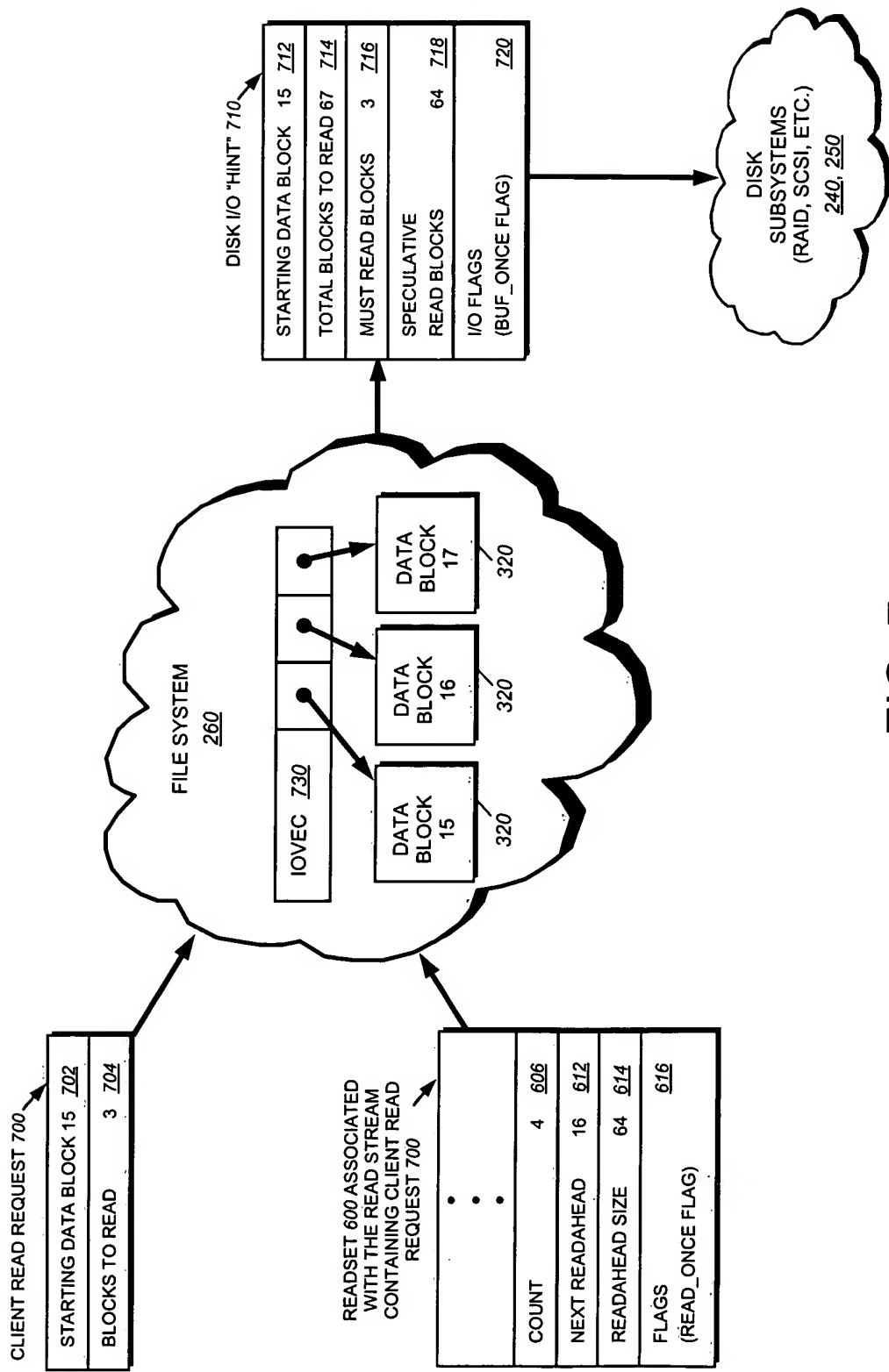


FIG. 7

800

SIZE OF CLIENT READ 810

NUMBER OF READAHEAD DATA BLOCKS 820

< 64 kB	2N
64 kB–128 kB	4N
128 kB–256 kB	6N
256 kB–1024 kB	2 • (READ SIZE)
1024 kB–10 MB	1 • (READ SIZE)
> 10 GB	FIXED UPPER LIMIT

E.g., N=32 BLOCKS

FIG. 8



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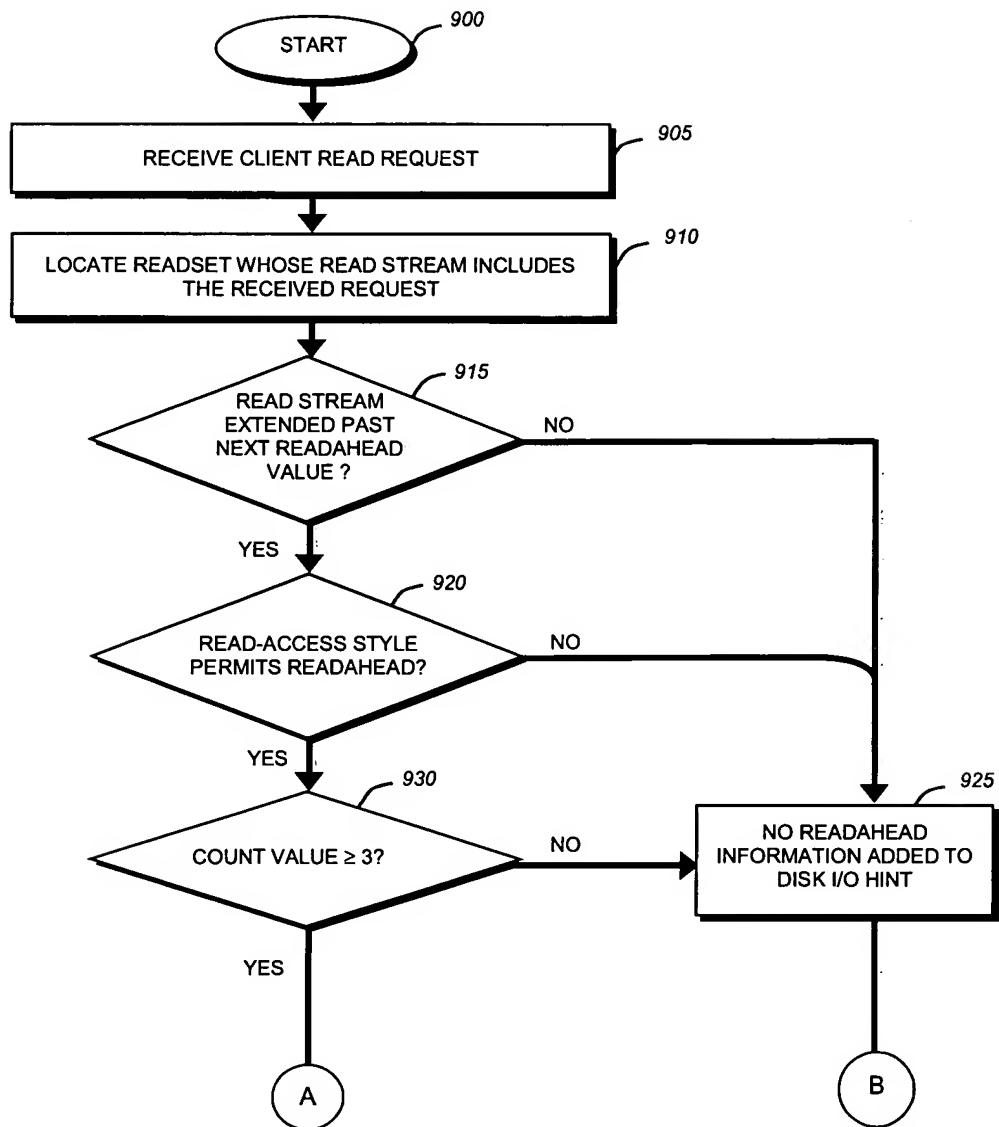


FIG. 9A

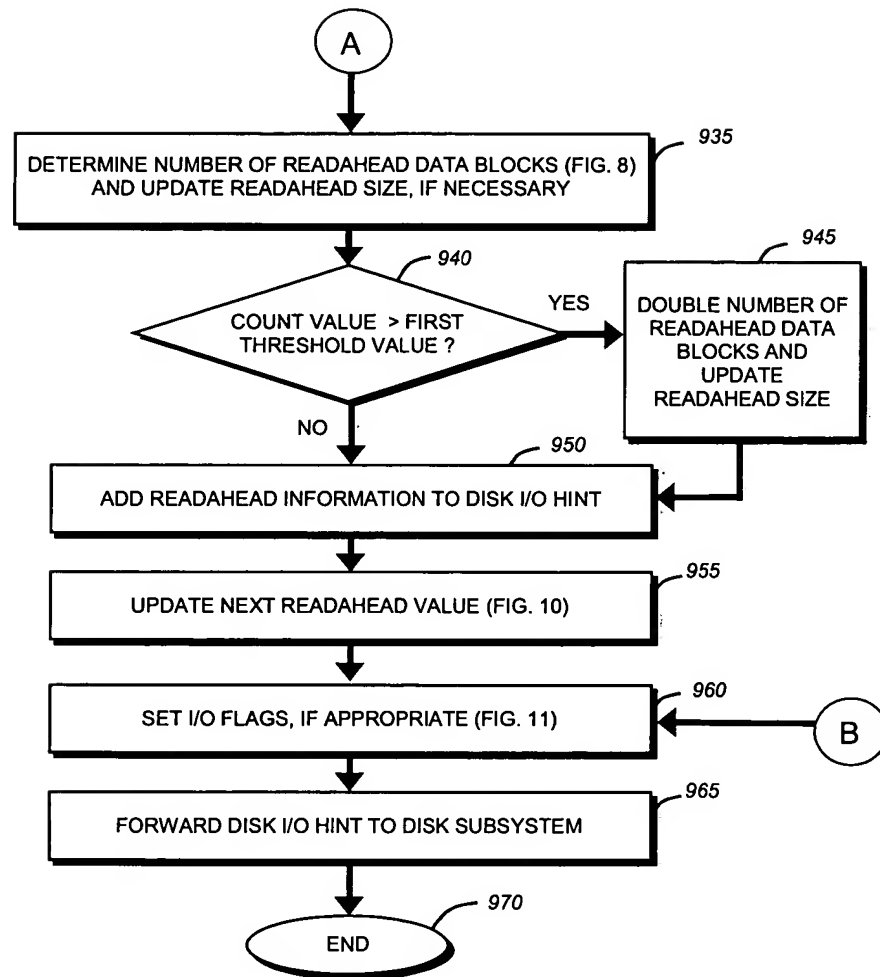


FIG. 9B

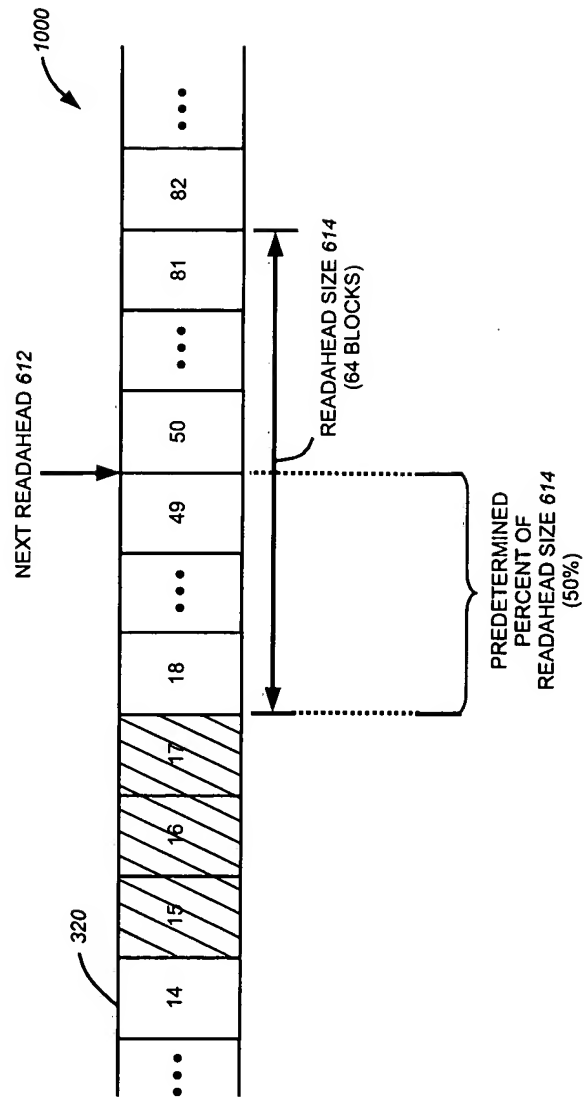


FIG. 10

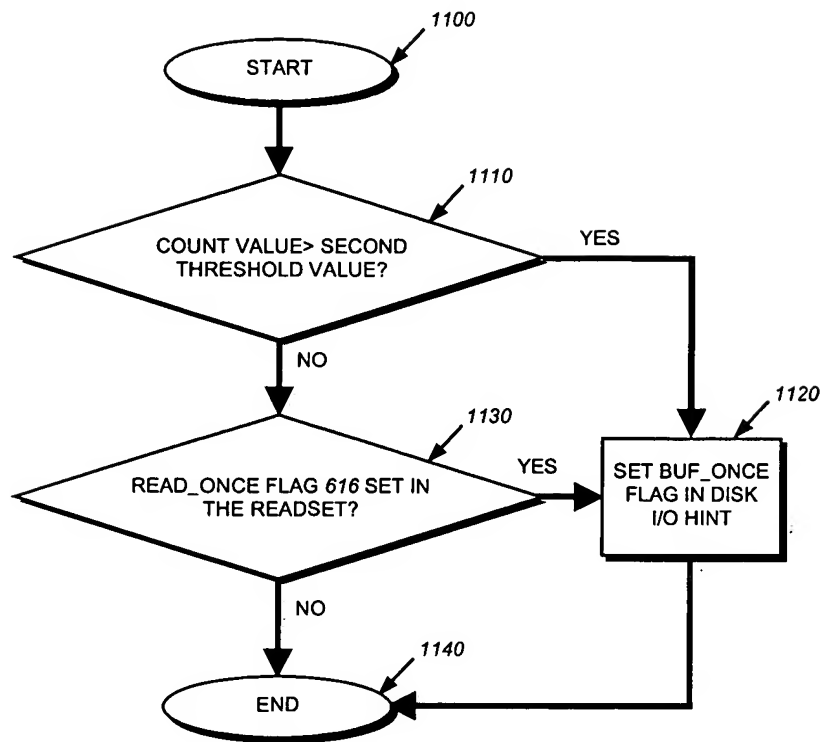


FIG. 11

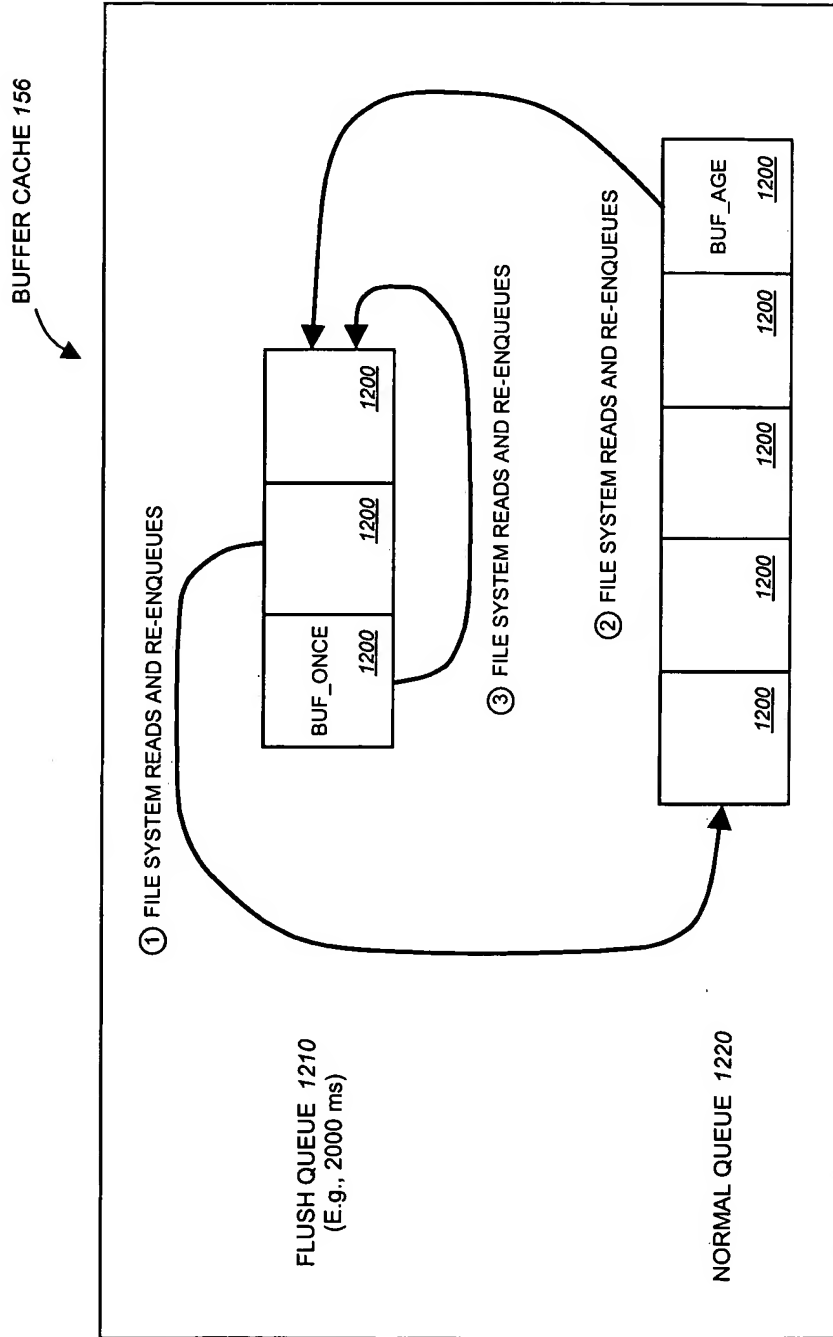


FIG. 12